

IN THE CLAIMS

1. (original) A disposable fluid circuit for use in a blood processing machine, comprising:

a fluid circuit having tubular and flexible panel-shaped portions;

a support, said tubular and flexible panel-shaped portions being mounted in said support;

said tubular and flexible panel-shaped portions being adapted for conveying blood and at least one other fluid consumed by a blood treatment operation;

said support exposing at least some of said tubular and flexible panel-shaped portions on opposite sides of said support whereby opposing actuators and/or sensors of a blood treatment machine can engage them on opposing sides thereof; said support panel-shaped portions being held in an overlying relationship by said support.

2. (currently amended) A circuit as in claim 1, further comprising a blood filter ~~supporting~~ supported by said support.

3. (currently amended) A circuit as in claim 1, wherein said support includes a planar member with cutouts aligned with ~~said effective to~~ at least some of said tubular and flexible panel-shaped portions and thereby ~~[[so]]~~ expose said at least some of said tubular and flexible panel-shaped portions.

4. (currently amended) A circuit as in claim ~~[[1]]~~ 3, wherein said support comprises a generally planar member and said at least some of said tubular and flexible panel-shaped portions are held in a planar arrangement by it.

5. (canceled)

6. (currently amended) A circuit as in claim 1, wherein at least one of said flexible panel-shaped portions overlie ~~overlies~~ a recess-shape portion of said support.

7. (original) A disposable fluid circuit for use in a blood processing machine, comprising: a flat tray-shaped member having at least one cutout and at least one recess formed therein; a fluid circuit having at least one tubular portion overlying said cutout and at least one sheet portion overlying said recess; said sheet portion having a flow channel on an inside thereof; said tubular and flexible panel-shaped portions being adapted for conveying blood and at least

one other fluid consumed by a blood treatment operation.

8. (currently amended) A circuit as in claim 7, further comprising a blood filter ~~supporting~~ supported by said support.

9. (currently amended) A circuit as in claim 7, wherein said flat tray-shaped member ~~holds~~ holds said fluid circuit in a generally planar arrangement.

10. (original) A circuit as in claim 1, sheet portion is a portion of multiple panel-shaped portions held in an overlying relationship by said flat tray-shaped member.

11-18. (canceled)

19. (new) A disposable fluid circuit for use in a blood processing machine, comprising:

a fluid circuit having flexible panel-shaped portions with flat walls that convey fluid between the flat walls;

a support that holds the flexible panel-shaped portions, exposing at least one of the flexible panel-shaped portions to opposing actuators and/or sensors of a blood treatment machine which engages them;

the panel-shaped portions being held in mutually-overlying relationship by the support such that the panel shaped portions overlap;

the overlying panel-shaped portions being held in mutual engagement by the blood blood-processing machine and confined such that a flow in one of the panel-shaped portions applies a force to the other of the panel-shaped portions.

20. (new) A circuit as in claim 19, further comprising a blood filter supported by the support.

21. (new) A circuit as in claim 19, wherein the support includes a planar member with cutouts aligned with at least some of the tubular and flexible panel-shaped portions and thereby expose the at least some of the tubular and flexible panel-shaped portions.

22. (new) A circuit as in claim 19, wherein the support comprises a generally planar member and the at least some of the tubular and flexible panel-shaped portions are held in a planar arrangement by it.

24. (new) A circuit as in claim 19, wherein at least one of the flexible panel-shaped portions overlies a recess-shape portion of the support.

25. (new) A disposable fluid circuit for use in a blood processing machine, comprising:
a fluid circuit having tubular and flexible panel-shaped portions;
a support, said tubular and flexible panel-shaped portions being mounted in said support;
each of said tubular and flexible panel-shaped portions being adapted for conveying at least one of blood and at least one other fluid processed in a blood treatment operation;

said support exposing at least some of said tubular and flexible panel-shaped portions on opposite sides of said support whereby opposing actuators and/or sensors of a blood treatment machine can engage them on opposing sides thereof; said support panel-shaped portions being held in an overlying relationship by said support such that said panel-shaped portions are shaped by engagement with said blood processing machine.

26. (new) A circuit as in claim 25, further comprising a blood filter supported by said support.

27. (new) A circuit as in claim 25, wherein said support includes a planar member with cutouts aligned with-at least some of said tubular and flexible panel-shaped portions and thereby expose said at least some of said tubular and flexible panel-shaped portions.

28. (new) A circuit as in claim 27, wherein said support comprises a generally planar member and said at least some of said tubular and flexible panel-shaped portions are held in a planar arrangement by it.

29. (new) A circuit as in claim 25, wherein at least one of said flexible panel-shaped portions overlie a recess-shape portion of said support.

30 (new) A disposable fluid circuit for use in a blood processing machine, comprising: a flat tray-shaped member having at least one cutout and at least one recess formed therein; a fluid circuit having at least one tubular portion overlying said cutout and at least one sheet portion overlying said recess; said sheet portion having a flow channel on an inside thereof; said sheet portions defining a fluid conveyance that conveys at least one other fluid consumed by a blood treatment operation.

31. (new) A circuit as in claim 30, further comprising a blood filter supported by said support.

32. (new) A circuit as in claim 30, wherein said flat tray-shaped member holds said fluid circuit in a generally planar arrangement.

33. (new) A circuit as in claim 30, sheet portion is a portion of multiple panel-shaped portions held in an overlying relationship by said flat tray-shaped member.